

Division of Solid and Hazardous Waste
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SOLID WASTE FACILITY PERMIT

Under the provisions of N.J.S.A. 13:E-1 et seq., known as the Solid Waste Management Act, this Permit is hereby issued to:

CARDELLA TRUCKING CO., INC.

FACILITY TYPE:	<u>Transfer Station/Materials Recovery Facility</u>
LOT NO:	<u>45</u>
BLOCK NO.:	<u>27</u>
MUNICIPALITY:	<u>North Bergen Township</u>
COUNTY:	<u>Hudson</u>
FACILITY REGISTRATION NO.:	<u>0908001265</u>
CAPACITY:	<u>400 Tons Per Day (125,000 Tons per Year)</u>
EXPIRATION DATE:	<u>January 19, 2001</u>

This Permit is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This Permit shall not prejudice any claim the State may have to riparian land, nor does it permit the

Permittee to fill or alter, or allow to be filled or altered in any way, lands that are deemed to be riparian, wetland, stream encroachment areas or flood plains, or that are within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits or approvals from the Department of Environmental Protection.

Failure to comply with all the conditions specified herein may result in revocation of this Permit and/or may result in other regulatory or legal actions which the Department is authorized to institute by law.

This Permit is non-transferable without the Department's prior approval pursuant to N.J.A.C. 7:26-2.7(e).

January 19, 1996
Permit Effective Date

Signed by Robert C. Ciolek, Assistant Director
Robert C. Ciolek
Assistant Director
Office of Permitting

**CONDITIONS FOR THE SOLID WASTE FACILITY PERMIT FOR THE
CARDELLA TRUCKING CO., INC.
TRANSFER STATION/MATERIALS RECOVERY FACILITY
2400 TONNELLE AVENUE, NORTH BERGEN, HUDSON COUNTY
FACILITY REGISTRATION NO. 0908001265**

This Solid Waste Facility Permit (hereinafter "Permit"), which includes the Certificate of Approved Registration and Engineering Design Approval, is conditioned upon compliance with all applicable statutes, rules, regulations and ordinances and the implementation of the following:

1. Permitted Waste Types

The following materials may be accepted for processing at this facility:

<u>ID</u>	<u>DESCRIPTION</u>
13	Bulky Waste

2. Prohibited Waste Types

The following materials are specifically prohibited from being received at this facility:

<u>ID</u>	<u>DESCRIPTION</u>
--	Medical Waste Class 1 through 7 as Defined at N.J.A.C. 7:26-3A.6 (Treated and Untreated)
10	Municipal Waste (Household, Commercial and Institutional)
12	Dry Sewage Sludge
23	Vegetative Waste
25	Animal and Food Processing Waste
27	Dry Industrial Waste
72	Bulk Liquid and Semi-Liquid Waste
73	Septic Tank Clean-Out Waste
74	Liquid Sewage Sludge
--	Hazardous Waste as Defined at N.J.A.C. 7:26-1.4 and as Set Forth at N.J.A.C. 7:26-8

3. Origin of Permitted Waste

All solid waste accepted for processing at this facility shall originate out of state and/or in state but outside of Hudson County.

4. Recyclables

Source separated recyclable materials shall not be accepted at this facility.

5. Referenced Engineering Plans and Documents

The construction and operation of this facility shall be in accordance with the provisions of N.J.A.C. 7:26-1 et seq., the conditions of this Permit, and the submissions specified as follows:

- a. "Standard Application form (CP#1)" and "Solid Waste Supplement to Standard Application Form CP#1" dated June 26, 1991 which constituted the registration statement and were superseded by item 5.e.(1).
- b. "An Environmental Impact Statement Submitted in Support of an Application by Cardella Trucking Co., Inc. To Obtain Final Permitting for an Existing Materials Recovery Facility in North Bergen, New Jersey" prepared by Cascino Engineering of North Caldwell, New Jersey and dated June, 1991. (The letter of transmittal was dated June 27, 1991.) Included were the following:
 - (1) Excerpts from "Hudson County Solid Waste Management Plan Two Year Update" prepared by the Hudson County Improvement Authority and dated April, 1989 which documented County Plan inclusion; submitted as Appendix A.
 - (2) "An Engineering Report Submitted in Support of an Application by Cardella... etc." prepared by Cascino Engineering of North Caldwell, New Jersey and dated June 1991; submitted as Appendix B.
 - (3) "An Operations & Maintenance Manual Submitted in Support of an Application by Cardella...etc." prepared by Cascino Engineering of North Caldwell, New Jersey and dated June 1991; submitted as Appendix C, with equipment manufacturers' literature comprising Attachments 1 through 15 in a separate volume.
- c. Letter dated June 27, 1991 from Lewis L. Krieger, Esq. of Roseland, New Jersey to Louis Casadei of the Office of Regulatory Services, Division of solid Waste Management which documented submittal of Disclosure information pursuant to

N.J.A.C. 7:26-16.

- d. "Addendum to an Environmental Impact Statement Submitted in Support of an Application by Cardella...etc." prepared by Cascino Engineering of North Caldwell, New Jersey and dated September, 1992. (The letter of transmittal was dated September 8, 1992.) This submittal responded to the Department's Notice of Deficiency dated July 27, 1992 and supplemented item 5.b, adding the following:
 - (1) The Property Deed documenting ownership of the site by Cardella Realty Co., Inc.
 - (2) Identification of disposal facilities for residue and end markets for recovered materials.
 - (3) The Air Pollution Control permit, reference Log #01921022, approved April 24, 1992.
 - (4) The NJDOT Drainage Permit dated July 16, 1992.
- e. "Addendum #2, Response to List of Deficiencies and Discussion of Additional Information Required Concerning the Second Notice of Deficiency for the Cardella Trucking Co., Inc. Transfer Station/Materials Recovery Facility" prepared by George D. Cascino, P.E., P.P., Consulting Engineer of Fairfield, New Jersey and dated February 17, 1995. This submittal responded to the Department's Second Notice of Deficiency dated September 19, 1994 and supplemented items 5.b and 5.d, adding the following:
 - (1) A replacement registration statement (refer to item 5.a).
 - (2) A report titled, "Sound Level Assessment, Cardella Materials Recovery Facility, Block 27, Lot 45, North Bergen, Hudson County, New Jersey" prepared by FMK Technology, Inc. of Bound Brook, New Jersey and dated February 15, 1995. [Also see Item 5.i.(3).]
 - (3) A report titled, "Traffic Impact Analysis Report, Cardella Trucking Company, 2400 Tonnelle Avenue, North Bergen, New Jersey" prepared by Simoff & Staiger Associates, Inc. of Chatham, New Jersey and dated February 16, 1995.
- f. The following maps prepared by George D. Cascino, P.E., P.P.:
 - (1) "U.S.G.S. 3 Mile Radius Map," no revision number, undated; submitted as Exhibit C of item 5.b.(2).
 - (2) "Vicinity Map Within 1 Mile of Property," no revision number, undated;

submitted as Exhibit D of item 5.b.(2).

- (3) "Zoning Designations on U.S.G.S. Map," no revision number, undated; submitted as Exhibit E of item 5.b.(2).

g. The following drawing prepared by the firm, Manalio & Manalio of North Bergen, New Jersey; dated December 29, 1978; originally signed and sealed by James A. Manalio, N.J.P.E. License #2330: "Survey of Plot 45, Block 17, Tax Map of Township of North Bergen, Hudson County, New Jersey"; submitted as Exhibit G of item 5.d.

h. The following drawings prepared by George D. Cascino, P.E., P.P., Professional Engineer & Planner of North Caldwell, New Jersey signed and sealed by George D. Cascino, N.J.P.E. License #18411:

- (1) "Existing Materials Recovery Facility," Revision 6 dated January 17, 1995; formerly titled "Existing Recycling Center Facility"; submitted as part of item 5.e.
- (2) "Proposed Renovations to Materials Recovery Facility," Revision 6 dated September 1, 1995; formerly submitted as Revision 5 dated February 1, 1995 as part of Item 5.e, and also titled "Proposed Materials Recovery Facility" in earlier revisions; submitted at the Public Hearing and also as Exhibit D of item 5.i.
- (3) "Typical Building Elevations and Details, Proposed materials Recovery Facility," Revision 1 dated January 30, 1995; formerly titled "Building Elevations, Proposed Materials Recovery Facility"; submitted as part of item 5.e.
- (4) "Preliminary Site Plan for Development of Adjacent Properties," Revision 3 dated September 1, 1995; submitted at the Public Hearing and also as Exhibit B of Item 5.i.

i. Letter dated September 7, 1995 from Lewis L. Krieger, Esq. of the firm Hochberg, Krieger, Danzig & Garubo of Roseland, New Jersey to Sukhdev S. Bhalla, P.E., Chief of the Bureau of Resource Recovery and Transfer Facilities, Division of Solid and Hazardous Waste, which letter (with Exhibits A through D) constituted written comments submitted by the Permittee during the Public Comment Period. The Exhibits are as follows:

- (1) Deed for properties adjacent to and north of the facility purchased from Eldorado Investments, Inc. by Dry Fork Realty Corporation.

- (2) An engineering drawing titled "Preliminary Site Plan for Development of Adjacent Properties" described above as Item 5.h.(4).
- (3) A report titled "Sound Level Assessment, Cardella Materials Recovery Facility, Block 27, Lot 45, North Bergen, Hudson County, New Jersey" prepared by FMK Technology, Inc. of Bound Brook, New Jersey and dated September 1, 1995. [Also see Item 5.e.(2).]
- (4) An engineering drawing titled "Proposed Renovations to Materials Recovery Facility" described above as Item 5.h.(2).

In case of conflict, the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs, and the conditions of this Permit shall supersede those of the engineering design and environmental impact statement referenced above.

6. Pre-Construction Requirements

- a. At least thirty (30) days before site preparations for construction are begun, the Permittee shall submit to the Department two complete sets of construction drawings that have been approved by the New Jersey Department of Community Affairs.

- (1) One or more of the drawings must show underground piping for potable/fire-fighting water from the utility main in Paterson Plank Road to all building and fire-fighting service connections. Post indicator valves, hydrants, hose stations and the automatic valves and distribution piping for all sprinkler systems must be shown. Distribution piping for building service connections must also be shown.

Drawings that present fire detection and alarm, fire-fighting water distribution and control information, and fire extinguisher stations must bear the approvals of the local fire official and the permittee's fire insurance underwriter.

- (2) The drawings must include details of waste water piping serving all sinks, sanitary facilities, showers, floor drains, and other sources of waste water in addition to the trench drains proposed for the new buildings. The details must include appropriate gas seals to isolate the proposed work areas.

A Treatment Works Approval or a waiver letter from the Bureau of Construction and Connection Permits must be submitted with the drawings (see Condition 6.i below).

- (3) The drawings must show the gas meter, gas distribution piping, and all installed

gas-fired heaters and other equipment. Safety shut-downs and similar protective devices must be shown by details or defined by drawing notes.

- (4) The drawings must show the locations of the existing and proposed motor control centers, lighting panels, and 120 volt power distribution panels. Also, distribution and control of electrical power from the Rudox motor-generator set must be shown. A one-line distribution diagram for all existing and proposed electrical service must be included in the drawing set.
 - (5) The drawings must show design details for demolition and/or reconstruction of the existing wall along the northerly property line of the facility and the construction of a ten foot high sound barrier wall along the common property line of the newly acquired adjacent properties and the Hotel Renaissance.
 - (6) The drawings must include site grading, paving, the construction of retaining walls, fencing, and landscaping.
 - (7) Design calculations which demonstrate that both Total and Respirable Dust concentrations will be maintained below the respective OSHA limits for occupational exposure to all work stations within the facility must be submitted with the drawings.
- b. Within thirty (30) days after issuance of this Permit, the Permittee shall submit to the Department a lease agreement between the property owner, Cardella Realty Company, Inc., and the Permittee, Cardella Trucking Co., Inc., that explicitly grants to the Permittee the right to operate a transfer station/materials recovery facility on the property.
- c. Within thirty (30) days after issuance of this Permit, the Permittee shall submit to the Department information that identifies how the facility currently disposes of each type of the various plastics recovered from solid waste for transport to end markets, manufacturers, or recycling centers. Estimated average monthly quantities of each type shall also be stated. Copies of long term contracts for the delivery and/or sale of recovered plastics to end markets and manufacturers shall be included. Should such contracts not be available, letters of intent to accept the plastics shall be submitted. Quality specifications or standards of the end markets and manufacturers must be stated explicitly in the contracts and letters, as must the intended uses of the recovered plastics.
- d. Within fifteen (15) days after issuance of this Permit, the Permittee shall submit to the Department a firm schedule for the following events:
- (1) Architect/Engineer retained to prepare the construction specifications, drawings, and bid documents, and also to oversee the work as required by

Condition 28.

- (2) Construction drawings and supporting documentation submitted to New Jersey Department of Community Affairs for review and approval.
 - (3) Selected construction drawings submitted to local fire official and to fire insurance underwriter for review and approval.
 - (4) New Jersey Department of Community Affairs approval received.
 - (5) Local fire officials approval received.
 - (6) Fire insurance underwriter's approval received.
 - (7) Construction bid documents released.
 - (8) Construction contractor(s) selected.
- e. Within thirty (30) days of the construction contract award, the Permittee shall submit to the Department a complete bar-chart schedule (or equivalent) for facility construction. The schedule must show the period for materials removal prior to the start of construction, periods of restricted operations and/or facility shutdown during construction, period(s) for equipment check-out, and the resumption of full-scale operations.
- f. At least fifteen (15) days before site preparations for construction are begun, the Permittee shall submit to the Department copies of correspondence with the Township of North Bergen and the New Jersey Department of Transportation which establish firm arrangements for a traffic control person who will be stationed at the facility entrance/exit. The person's authority to direct traffic on Tonnelle Avenue shall be delineated.
- g. Before construction is begun, the Permittee shall submit to the Department copies of a "Permit to Construct, Install or Alter Control Apparatus on Equipment" and a "Temporary Certificate to Operate Control Apparatus or Equipment" which are based upon the air pollution control systems design shown on the drawings approved by the New Jersey Department of Community Affairs.
- h. Before construction is begun, the Permittee shall submit to the Department copies of a current "Drainage Permit" from the New Jersey Department of Transportation for connecting to the Tonnelle Avenue catch basin, and also an approval or waiver of approval from the North Bergen Township Department of Public Works for design of the piping connection.

- i. Before construction is begun, the Permittee shall submit to the Department copies of all correspondence with the Bureau of Construction and Connection Permits regarding a Treatment Works Approval or other State permit governing construction and operation of a new sanitary sewer line and tie-in on both the facility, Lot 45 of Block 27, and Lots A1 and A2 of Block 55. A copy of the State permit(s) issued shall also be submitted. Similarly, the Permittee shall submit copies of all correspondence with and permits issued by the Hudson County Utilities Authority and/or other local agencies. All such correspondence and permits must disclose that ownership of Lots A1 and A2 of Block 55 is in the name of the Dry Fork Realty Corporation, not the Cardella Realty Co., Inc. Further, the Permittee shall submit copies of all leases, licenses, or agreements between the two property owner entities and between them and the Permittee which the permitting agencies may require for construction and operation of the sewer line.

7. Construction Requirements

- a. Exhaust silencers shall be maintained on all heavy construction equipment. Unnecessary idling of all heavy construction equipment shall be prohibited.
- b. Only noise-attenuated air compressors shall be utilized.
- c. Pile driving, steam line blowdowns and other major noise-producing construction activities shall be confined to the working hours of 7:00 a.m. to 10:00 p.m.
- d. All fuels for construction equipment shall be delivered on an as- needed basis and dispensed directly from the delivery truck to the equipment without storage of the fuels on site.
- e. The maximum size containers for other fluids and chemicals stored on site during construction of the facility shall be fifty-five (55) gallon drums. A localized containment field shall be installed in accordance with State and local codes.
- f. All waste materials present on site prior to construction or generated by clearing and demolition activities or by facility construction shall be handled, stored, and disposed in accordance with the Department's rules and regulations.
- g. All soil stockpiles and open storage areas containing fine or unbound materials shall be covered or watered as necessary to control fugitive dust.
- h. Silt barrier fences shall be installed and maintained at appropriate locations in accordance with an approved Soil Erosion and Sediment Control Plan.
- i. Vehicles transporting soil or loose or fine-aggregate materials onto or off of the site shall be securely covered to prevent fugitive dust and to prevent material from dropping onto public roadways. Loading and unloading operations shall be controlled

to minimize dust generation.

- j. The tracking or other means of transporting dirt/dust onto paved public roads shall be minimized, and the Permittee shall be responsible for prompt cleanup of any accumulations.

8. Operations and Maintenance Manual

A final Operations and Maintenance (O&M) Manual shall be submitted to the Department for approval no later than sixty (60) days before the resumption of facility operations following the construction shut-down period. The O&M Manual shall be prepared as a separate and fully self-contained document which includes all relevant narratives, listings, schedules, sample forms, etc.; which is not dependent upon other documents for completeness; and which is adequate for use alone for training and reference. It shall be maintained and available for use at the facility at all times. Subsequent changes to the approved O&M Manual proposed by the Permittee shall not be implemented until approved by the Department.

The final O&M Manual shall include the following sections:

- a. A description of the facility operation, including
 - (1) A statement of the days and hours for receiving waste, for processing waste and recovering recyclable materials, and for transporting (transferring) recovered materials and waste residues from the facility.
 - (2) A listing and brief description of equipment items of the following types: materials handling, processing, monitoring and control, safety, emergency, security, and structural. As applicable, a description shall include the item's common name, manufacturer's or trade name (if different), manufacturer, model number, capacity, statement of function, and brief description of how the item is operated.
 - (3) Brief summary narratives that describe the following:
 - (a) The overall operations of the facility.
 - (b) All monitoring and control functions which are part of the facility operations.
 - (c) All security functions (including alarms and communications) which are part of the facility operations.
 - (d) Measures for controlling on-site litter and debris and preventing wind-blown dust and other materials from leaving the site.
 - (e) Measures for preventing and detecting fires, and equipment and procedures for extinguishing fires.

- (f) Measures for controlling arthropods and rodents.
 - (g) Measures for controlling noise generation.
 - (h) Procedures for inspecting incoming loads of solid waste and preventing the receipt of prohibited waste types.
 - (i) Procedures for removing small quantities of prohibited waste types from an incoming load and storing them temporarily in a secure area pending Department instructions for disposal, or for storing entire loads of prohibited waste types.
 - (j) Measures to handle unusual peak loading which may exceed the facility's design capacity.
 - (k) Measures to handle incoming waste flow during periods of emergencies, equipment breakdown, or facility shutdown.
 - (l) Measures to control on-site traffic.
- b. An inspection plan which shall include inspection schedules that will ensure maximum facility availability and compliance with this Permit. The frequencies of inspections shall be defined based on manufacturers' recommendations and engineering judgement regarding likely equipment wear, deterioration, or malfunction. Schedules for inspecting materials handling, processing, monitoring and control, safety, emergency, security, and structural equipment shall be included. Inspection of the separator mentioned in Condition 20 for accumulated sediment and oil shall also be included. The plan shall identify the types of problems which are to be looked for during the inspections and the actions to be followed if the problems are found.
- c. A maintenance plan, which includes schedules for preventive maintenance activities per manufacturers' recommendations, anticipated repairs, or major equipment replacement; an analysis of spare parts inventory needs; maintenance contracts with outside vendors; and contracts with equipment dealers to supply standby or emergency equipment.
- d. A facility safety plan which describes the operating procedures to be followed to protect facility personnel and other persons from injury. The plan shall demonstrate compliance with the occupational safety and health standards for general industry, 29 CFR 1900 to 1910. The plan shall also implement industrial safety standards such as the latest amendments of ASME B20.1-1990 for conveyors and ANSI Z244.1-1982 regarding electrical lockout. Bilingual signage shall be incorporated for safe operation of equipment and for safe general working conditions.
- e. An emergency contingency plan which delineates procedures for responding to fire, explosions, or sudden or non-sudden releases of harmful substances including hazardous wastes to the air, soil, surface water or ground water. The contingency plan shall contain a description of the actions facility personnel shall take in the event of various emergency situations, a description of arrangements made with the Department and local police and fire departments which allow their immediate entry into the facility to respond to an emergency situation, and a list of names, addresses and telephone

numbers (office and home) of the person(s) qualified to act as emergency coordinator for the facility. The list shall be kept up to date. Where more than one person is listed, one shall be named as a primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates.

Copies of the contingency plan shall be submitted separately (that is, without the balance of the O&M Manual) to the local police and fire departments, the local and county health departments, and other applicable offices of emergency management.

- f. A facility staffing plan which includes the job title and job description for each position at the facility. The descriptions shall include duties and performance standards, and the requisite skills, education and other qualifications required for each position.
- g. A staff training plan which defines the types and amounts of both initial and follow-up training to be provided to the facility personnel. The plan shall include instruction in the operation, inspection, and maintenance of the facility equipment, machinery, or systems which teaches the personnel to perform their duties in a manner that ensures the facility's compliance with the requirements of N.J.A.C. 7:26-1. et seq. and the conditions of all Departmental permits issued to the facility.

The plan shall ensure that facility personnel are able to respond effectively to any emergency situation which may arise. It shall provide instruction in the use of safety equipment and the procedures to be followed during planned or unplanned shutdown of operations. It shall also include the inspection of incoming waste loads for the identification of suspected unauthorized wastes and the proper handling of such wastes. It shall also include fire training specifically applicable to this type of facility.

9. Facility Staffing

The facility shall maintain sufficient staff in accordance with the facility staffing plan required by Condition 8.f to ensure proper, orderly, and safe operation of all materials handling, processing, monitoring and control, safety, emergency, and security equipment items. Concurrently, the level of staffing shall provide the capability to handle all routine facility maintenance requirement and also to respond to all emergency situations.

A fully trained and qualified foreman or supervisor who is designated and authorized by the Permittee to direct and implement all operational decisions shall be present at the facility during all operating hours.

10. Facility Personnel Training

All personnel who are directly involved in facility waste management activities or who operate,

service, or monitor any facility equipment, machine, or system shall successfully complete an initial program of classroom or on-the-job training in accordance with the training plan required by Condition 8.g.

11. Unauthorized Waste

The Permittee shall implement procedures to detect and remove unauthorized waste from the waste stream entering the facility as described in the O&M Manual according to Conditions 8.a(3)(h) and 8.a.(3)(i). The procedures shall include the following:

- a. Continuous visual monitoring of the delivered waste by the facility personnel. Any suspected unauthorized waste shall be removed from the processing stream.
- b. Provisions to insure that any suspected hazardous waste, waste-containing drums, or liquids that may be found in a load accepted at the facility are not returned to the generator. Such material shall be segregated and stored in a secure manner in a designated area within the building, and its discovery shall immediately be brought to the attention of the Department's Environmental Action Hot Line at (609) 292-7172 (available 24 hours per day, including weekends and holidays). Such waste shall be handled as hazardous waste for storage and disposal purposes unless otherwise directed by the Department. The Permittee shall obtain a federal EPA ID number as a Hazardous Waste Generator in order to facilitate disposal of this type of waste.

Negligent or deliberate processing of hazardous waste or other unauthorized waste shall be cause for revocation of this Permit.

12. Waste Acceptance and Processing Rates

The facility may receive solid waste at a rate not to exceed 400 tons per day and shall process the amount of waste that is delivered to it on any given operating day.

13. Operational Hours

Acceptance of solid waste for processing, waste processing and the recovery of recyclable materials, and transferring (transporting) of recovered materials and waste residues from the facility shall be allowed

Continuously, 24 hours a day, Monday through Saturday

All facility operations other than emergency repair and maintenance shall be suspended between the hours of 12:00 a.m. Sunday and 12:00 a.m. Monday. Under no circumstances

shall trucks entering or leaving the facility be allowed to back-up or queue on Tonnelle Avenue.

14. Materials Recovery Operations

The materials recovery operations at the facility shall meet the following criteria:

- a. In accordance with the application documents listed in Condition 5.b, 5.d, and 5.3, the Permittee shall recover only the following materials from solid waste received at the facility: rock, concrete, brick, and block; waste-free dirt and fines; various ferrous metals; various non-ferrous metals, including coated wire; wood (non-manufactured, non-painted, non-chemically treated or impregnated); various plastics; and non-corrugated paperboard ("chipboard") and corrugated paperboard.
- b. The Permittee may store the recovered materials on site for later transport to end markets, manufacturers or recycling centers pursuant to the following:
 - (1) Recyclable materials may be transported only to the above noted destinations pursuant to the requirements of N.J.A.C. 7:26A-1 et seq.
 - (2) End markets, manufacturers and recycling centers shall mean the same as the definitions found at N.J.A.C. 7:26A-1.3.
 - (3) Class B recyclable materials transported to an in-state recycling center for further processing shall be transported only to those recycling centers approved by the Department pursuant to N.J.A.C. 7:26A-1 et seq.
- c. The Permittee shall maintain contracts or letters of agreement with end markets, manufacturers, and approved recycling centers for the disposition of recovered materials. The Department shall be notified by the Permittee within one week of the changes in the status of existing contracts or letters or of the addition of any new contracts or letters for the disposition of recoverable materials. Such notice shall include documentation of the changed status or a copy of the new contract or letter of agreement.
- d. No solid waste receiving or storage, solid waste processing, materials recovery operations, nor solid waste transfer shall take place in the northerly half of the existing building unless the Permittee first complies with the modification procedures set forth in N.J.A.C. 7:26-2.6 or the renewal procedures set forth in N.J.A.C. 7:26-2.7. The storage of recovered materials in this area is specifically permitted and encouraged, particularly if baled.

15. Waste Retention Time

No solid waste shall be allowed to remain on the tipping floor overnight.

16. On-Site Roadways and Traffic Control

On-site traffic control measures as described in the O&M Manual according to Condition 8.a(3)(l) shall be implemented to provide for orderly vehicle movement on the facility ground. These shall include the use of lane delineation and signs as appropriate. All on-site roadways shall be constructed, paved and maintained the withstand heavy traffic usage.

17. Security

Access to the site shall be restricted to Cardella Trucking Co. vehicles, facility personnel, and authorized visitors. Security functions and procedures as described in the O&M Manual according to Condition 8.a(3)(c) shall be implemented to provide effective control of entry and exit at all times. Guards, attendants, visual monitors, or locked gates shall be utilized at site entrances and exits. Security fencing or walls shall be maintained around the entire facility.

18. Inspection and Maintenance

Through effective inspection and maintenance plans included in the O&M Manual as required by Conditions 8.b and 8.c, the facility systems and related appurtenances shall at all times be kept in proper operating order. As part of this program, the Permittee shall maintain an inventory of spare parts and replacement equipment to ensure continued operation of the facility.

The results of all inspections shall be recorded and shall be maintained in an Inspection Log book. These records shall include the date and time of the inspection, the name of the inspector, a notation of observations, recommendations (if any) made by the inspector, and the date and nature of repairs or other remedial action taken. These records shall be made available to authorized representatives of the Department upon request.

19. Housekeeping

Routine housekeeping procedures shall be implemented within the facility buildings to prevent the accumulation of dust and debris and to maintain general cleanliness in the working environment. All areas where solid waste has been placed shall be cleaned on a daily basis. Facility grounds shall be maintained free of litter and debris, and all paved areas shall be swept

periodically as described in the O&M Manual according to Condition 8.a(3)(d). Additionally, the entrance area shall be policed regularly to prevent dirt and debris from migrating to Tonnelle Avenue.

20. Stormwater and Wastewater Disposal

Any wastewater resulting from the operation of the facility and washdown from the tipping floor shall be directed to the municipal sanitary sewer system through a new sewer line to be installed across adjacent properties in accordance with the engineering drawings [Items 5.h.(2) and 5.h.(4)] and the approvals required by Condition 6.h.

Stormwater from building roofs and from the paved areas east of the existing building shall be collected and conveyed by underground drainage piping to a sediment and oil separator near Tonnelle Avenue which empties through underground drainage piping to an existing catch basin in Tonnelle Avenue north of the facility. Stormwater from the paved area west of the existing building shall drain overland to Tonnelle Avenue and flow northward to the catch basin. These arrangements are also shown on the drawing identified in Condition 5.h(2).

21. Noise Control

The Permittee shall implement procedures to control and minimize noise generation as described in the O&M manual according to Condition 8.a(3)(g). These shall include controls specifically designed to assure that sound levels generated by facility operations, including vehicle movements, between the hours of 10:00 p.m. and 7:00 a.m. do not exceed the nighttime standards set forth in the New Jersey Noise Control regulations, N.J.A.C. 7:29-1 et seq.

The Permittee shall also prevent the continued entry to the facility of any vehicle not equipped with a properly operating muffler system or those which create excessive noise.

The Department reserves the right to require the Permittee to perform additional noise surveys to ensure continued compliance with N.J.A.C. 7:29-1 et seq.

22. Odor and Dust Control

The operation of this facility shall not result in odors associated with solid waste being detected off-site in any area of human use or occupancy at any time.

The operation of this facility shall not result in the production of potentially unhealthful levels of dust.

23. Vermin Control

The Permittee shall institute and maintain an effective vermin control program at the facility as described in the O&M Manual according to Condition 8.a(3)(f). It shall be conducted by a qualified applicator of pesticides as set forth in the New Jersey Pesticide Control Code, N.J.A.C. 7:30-1 et seq.

24. Fire Protection and Emergency Response

The fire detection and protection systems described in the O&M Manual according to Condition 8.a.(3)(e) shall be maintained in operable condition at all times, and fire-fighting equipment shall be available on-site. Fire-fighting and emergency procedures shall be posted prominently in the work area; these shall include the telephone numbers of local fire, police, ambulance and hospital facilities.

25. Safety and Emergency Procedures

The Permittee shall follow Occupational Safety and Health Administration (OSHA) standards in the construction and operation of this facility for the safety of contractors, employees and other persons entering the premises.

As part of the Safety Plan included in the O&M Manual as required by Condition 8.d, job related safety rules must be developed and posted prominently in the work area. Additionally, facility staff shall be trained to respond effectively to any equipment malfunction or emergency situation that may arise during facility operation. This instruction shall include, where applicable, but not be limited to the following:

- a. The use of personal safety equipment.
- b. The use of communications and alarm systems.
- c. The procedures to be followed in response to fires, explosions or other emergencies.

26. Emergency Situations

An emergency situation is defined as the occurrence of a fire, explosion, or uncontrolled pollutant discharge or emission to the environment. If an emergency situation occurs, the emergency coordinator identified in the contingency plan included in the O&M Manual as required by Condition 8.e shall implement the following actions:

- a. Immediately identify the character, source, amount, and extent of any discharge and notify appropriate State or local agencies with designated response roles if assistance is needed.
- b. Concurrently, assess possible hazards to public health or the environment that may result and, as applicable,
 - (1) Notify appropriate local authorities if an assessment indicates that evacuation of local area may be advisable.
 - (2) Notify the Department's Environmental Action Hot Line at (609) 292-7172, reporting the type of substance and the estimated quantity discharged, if known, the location of the discharge, actions the person reporting the discharge is currently taking or proposing to take in order to mitigate the discharge, and any other information concerning the incident which the Department may request at the time of notification.

The emergency coordinator shall take all reasonable measures to ensure that an emergency situation does not spread to other areas of the facility. Such measure may include the cessation of process operations and the collection and containment of released pollutants.

Immediately after an emergency situation, the emergency coordinator shall provide for appropriate storage and disposal of waste, contaminated soil or water, or any other material contaminated as a result of the event in accordance with Condition 11.b regarding unauthorized waste.

The emergency coordinator shall ensure that no solid waste is processed in the affected unit or area until cleanup procedures are completed and all equipment is again fit for its intended use.

The emergency coordinator shall notify the Department and appropriate local authorities when operations have returned to normal.

Within fifteen days after the incident, the emergency coordinator shall submit a written report on the incident to the Department. The report shall include but not be limited to the name, address, and telephone number of the facility; the date, time, and description of the incident; the extent of personal injuries, if any, with names and job responsibilities identified; an assessment of actual damage to the environment, if any; an assessment of the scope and magnitude of the incident; a description of the immediate actions that have been initiated to clean up the affected area and prevent a recurrence of a similar incident; and, an implementation schedule for undertaking longer term measures to effect cleanup and avoid a recurrence of the incident, if applicable.

Nothing in this Condition shall be deemed to supersede any notification required pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq.; to Hazardous

Substance Discharge: Reports and Notices, N.J.A.C. 7:1-7; to the air pollution notification required pursuant to N.J.S.A. 26:2C-19; or to any other independent statutory or regulatory notice requirements.

27. Operation Records

Records of the facility's operations shall be maintained on a daily basis by the Permittee. The records shall include the following:

- a. Identification of the solid waste facility by name and facility identification number.
- b. Identification of each transporter by the Department registration number assigned.
- c. The cubic yard and tonnage capacity of each solid waste vehicle or solid waste container entering or leaving the facility.
- d. The date and time of each delivery to or shipment from the facility.
- e. The license plate number and state initials of each solid waste vehicle entering or leaving the facility.
- f. The tonnages of solid waste received, listed by the state, county, and municipality of origin as well as by the specific site. These amounts shall be the totals received prior to the recovery of materials for recycling.
- g. The tonnages of solid waste returned to each state, county, municipality, and final disposal facility in accordance with Condition 32.
- h. The tonnages and types of recyclable materials recovered from the solid waste received.
- i. The tonnages, types, and destinations of recyclable materials which leave the transfer station/materials recovery facility to end markets, manufacturers, or recycling centers for further processing pursuant to the following:
 - (1) Recyclable materials may be transported only to the above noted destinations pursuant to the requirements of N.J.A.C. 7:26A-1 et seq.
 - (2) End markets, manufacturers and recycling centers shall mean the same as the definitions found at N.J.A.C. 7:26A-1.3.
 - (3) Destinations for recyclable materials shall be listed by specific location and name of each end-market, manufacturer or recycling center.

- (4) Class B recyclable materials transported to an in-state recycling center for further processing shall be transported only to those recycling centers approved by the Department pursuant to N.J.A.C. 7:26A-1 et seq.
- (5) Solid waste which is received by a transfer station/materials recovery facility shall retain the ID type identified in the waste origin/disposal (O&D) form. The type of solid waste shall not change due to the recovery of recyclable materials or to the processing of solid waste.

The information required to be recorded in the daily record shall be supplied by the transporter to the facility operator and by the facility weighmaster or operator on a waste origin/disposal (O&D) form. The waste remaining after processing shall be designated within the O&D form and daily record as the same waste type as originally received at the transfer station/materials recovery facility. At no time may processing be used to change the original waste type designation of outgoing solid waste from the transfer station/materials recovery facility. Further, regarding use of the O&D form:

- j. An approved O&D form shall be provided by the department to each registered transporter. The transporter shall thereafter duplicate the form for use with each load of solid waste.
- k. Prior to disposing of the solid waste, the transporter shall complete the O&D form and sign it, thereby certifying the accuracy of the information provided.
- l. The facility operator shall verify that the O&D form has been completed by a registered transporter, verify that the facility's computer recording of scale data is in conformance with the information supplied, and sign the completed form.
- m. The facility operator shall retain all O&D forms for a minimum of one year and shall make them available for inspection by representatives of the Department or the county or local health department at any time during normal working hours.
- n. If an O&D form is not completed and signed by a registered transporter for each solid waste vehicle, or if the waste disposal would not be in compliance with the facility's registration, the facility operator shall deny the transporter the right to dispose of the solid waste at the facility.

The daily record shall be maintained at the operating facility on forms provided by the Department, or duplication of same, or on systems acceptable to the Department; shall be kept for five years; and shall be immediately available for inspection by representatives of the Department or the county or local health department at any time during normal working hours.

Monthly summaries of the facility's daily records shall be submitted by the facility operator to the Division of Solid and Hazardous Waste, and the Hudson County Improvement Authority

on forms provided by the Department (or duplication of same) no later than 20 days after the last day of each month. The summary shall include the following:

- o. The tonnages of solid waste received, listed by the state, county, and municipality of origin as well as by the specific site. These amounts shall be the totals received prior to the recovery of materials for recycling.
- p. The tonnages of solid waste returned to each state, county, municipality, and final disposal facility. The Permittee shall certify that such final disposal has been made in accordance with N.J.A.C. 7:26-2B.9 as cited in Condition 32.
- q. The tonnages and types of recyclable materials recovered from the solid waste received.
- r. The identification of end-markets, manufacturers, or recycling centers by specific names and locations used for the recyclable materials recovered and the amounts of materials sent to each specific end-market, manufacturer, or recycling center.
- s. The tonnages and types of recyclable materials being stored at the transfer station/materials recovery facility at the end of the reporting month.
- t. Any payments made pursuant to N.J.A.C. 7:26-2B.9(a)iii to a designated District facility within New Jersey in lieu of returning and disposing of solid waste as would be reported under Condition 25.p above. The summary shall include the name of the in-state foreign District to which the payment was made, the amount of solid waste not delivered, and the amount of the payment.
- u. If payments have been made as described in Condition 27.t, the tonnage of solid waste which would otherwise have been returned to the in-state foreign District.

28. Certification of Construction

The Permittee shall retain the services of Professional Engineer licensed in the State of New Jersey to supervise the construction of the facility. Within thirty (30) days after completion of construction and prior to resumption of facility operations, the Engineer shall certify in writing to the Division of Solid and Hazardous Waste, Bureau of Transfer Stations that he has personally examined each major stage of the facility construction and that the facility has been constructed in accordance with this Permit and the documents, statements, designs, and plans submitted as part of the application and approved by the Department.

The certification shall bear the raised seal of the licensed Professional Engineer, his signature, and the date of certification. The certification shall include the following statement: "I am aware that there are significant penalties for submitting false information, including the

possibility of fine and imprisonment."

A complete set of "As Built" construction and architectural drawings approved by all local and state agencies having jurisdiction shall be submitted with the certification.

29. Plans On-Site

One complete set of the approved engineering plans, the engineering report, the environmental and health impact statement, the O&M manual, the operational records, and this permit shall be kept on file at the facility and shall be available for inspection by Departmental personnel or the Department's designated representatives, or the county or local health department.

30. Emergency Provisions for Equipment Breakdown or Power Failure

In the event of a facility power outage or other significant malfunction which would result in the facility's inability to process waste at a rate equal to or exceeding the rate of incoming waste, the Permittee shall immediately report the event to the Division of Solid and Hazardous Waste at (609) 984-6650. At no time shall the capacity of the delineated tipping area be exceeded, or shall vehicles be permitted to queue other than on site as designated in the drawing documents that are identified in Conditions 5.h.(2) and 6.a.

31. Right of Entry

The Permittee hereby agrees and authorized Departmental personnel or the Department's designated representatives to make whatever inspections and examinations of all premises occupied by the facility which may be impacted by the activities authorized by this Permit whenever these representatives, in their discretion, consider such an inspection or examination necessary to determine the extent of compliance with any and all conditions of the Permit. Any refusal to allow entry to the Department's representatives shall constitute grounds for either suspension or revocation of this Permit.

32. Final Disposal

Pursuant to this Permit and the requirements of the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and its implementing regulations, N.J.A.C. 7:26-1 et seq., all solid waste processed at this facility other than those materials recovered for transportation to end markets, manufacturers, or recycling centers shall be delivered to appropriate in-state, out-of-county solid waste disposal facilities and/or out-of-state solid waste disposal facilities in accordance with N.J.A.C. 7:26-2B.9, depending upon the source of the solid waste received by the facility as permitted by Condition 3. The facility shall maintain records as required by Condition 27 in

order to document compliance with this requirement.

33. Conformance with the Solid Waste Management Plans

This Permit is conditioned upon conformance with all requirements of the Hudson County District and State Solid Waste Management Plans as adopted and promulgated pursuant to N.J.S.A. 13:1E-1 et seq.

Failure to comply with any or all limitations heretofore mentioned may result in the Department seeking relief under N.J.S.A. 13:1E-1 et seq., the Solid Waste Management Act. Specifically, each day of failure to so comply shall constitute a separate violation on the basis of which a fine may be assessed and may result in loss of operating authority, pursuant to N.J.S.A. 13:1E-12.

The issuance of this Permit and the conditions of operation identified herein shall not be interpreted as relieving the applicant of his responsibility to secure, maintain and comply with all other applicable Federal, State and local permits or similar forms of authorization relating to the construction and operation of this facility.

Division of Solid and Hazardous Waste
CN 414
Trenton, NJ 08625-0414
Tel. #609-530-8591
Fax. #609-530-8899

ENVIRONMENTAL AND HEALTH IMPACT STATEMENT APPROVAL

Under the provisions of N.J.S.A. 13:1E-26, known as the Solid Waste Management Act, the Division of Solid and Hazardous Waste hereby issues Environmental and Health Impact Statement Approval to

CARDELLA TRUCKING CO., INC.

FOR THE PURPOSE OF CONSTRUCTING
AND OPERATING A:

TRANSFER STATION/MATERIALS
RECOVERY FACILITY

LOT NO.:
BLOCK NO.:

45
27

MUNICIPALITY:

North Bergen Township

COUNTY:

Hudson

The Department has reviewed Cardella Trucking Co.'s Environmental and Health Impact Statement and additional information pursuant to the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. Specifically with respect to N.J.S.A. 13:1E-26, the following findings are made:

1. The proposed construction and operation of the Solid Waste Transfer Station/Materials Recovery Facility identified above is consistent with the adopted and approved Hudson County District Solid Waste Management Plan.
2. The facility will be constructed and operated in accordance with the standards adopted and promulgated by the Department pursuant to N.J.S.A. 13:1E-6.

This Approval shall become null and void upon the expiration or revocation of any Solid Waste Facility Permit issued by this Division to the particular solid waste facility herein identified or if full permit authorization has not been obtained for the above facility within three years of the issuance of this Approval.

The issuance of this Approval shall not be construed as authorization to operate a Solid Waste Facility. Operations may commence only upon obtaining a Solid Waste Facility Permit issued by the Division of Solid and Hazardous Waste pursuant to N.J.S.A. 13:1E-1 et seq.

This Approval has been granted in conformance with the existing Rules and Regulations of the Division of Solid and Hazardous Waste. Should changes in these Rules become effective, the Department reserves the right to re-evaluate this Approval and require modifications as deemed appropriate.

January 19, 1996
Date

Signed by Robert C. Ciolek, Assistant Director
Robert C. Ciolek
Assistant Director
Engineering and Finance

[F:\Data\Permits\Cardel#1.MTR]

Division of Solid and Hazardous Waste
CN 414
Trenton, NJ 08625-0414
Tel. #609-984-6880
Fax. #609-777-0769

George D. Cascino, P.E., P.P.
Consulting Engineer
2 East Greenbrook Road
North Caldwell, NJ 07006

Subject: Cardella Trucking Co., Inc. TS/MRF
DEP Facility No. 0908001265
SWF Permit Issued January 19, 1996

Township of North Bergen, Hudson County

Dear Mr. Cascino:

With reference to your letter to Mr Tom Byrne of my staff dated October 24, 1996 requesting that we conduct a "minor technical review" of and grant approval for several changes made to the existing solid waste facility, we advise you as follows:

Item 1: Relocation of air compressor.

The Department takes note of the relocation. No approval is appropriate, as the SWF Permit is concerned with planned future construction and operation of the facility, how the air compressor will be installed and used and how its installation and use will be governed by air pollution control and OSHA regulations. Should different equipment be installed in the new building, Cardella must ask for a "minor technical review" of the change.

Item 2: Replacement of trommel screen assembly with a newer model.

- a. The Department approves the replacement of the "Master-sKreen Director" trommel system consisting of inlet hopper, inlet conveyor, trommel screen, main screenings conveyor, screenings wing (side discharge) conveyor, reject (oversize) end discharge conveyor, and diesel/hydraulic power system by new equipment consisting of a "Powerscreen Trommel 830" system that apparently has essentially the same components.
- b. The Department also approves the replacement of the stacking conveyor (previously not separately described) by a new unit that appears to be essentially the same. From casual field inspection and absent information submitted by Cardella, we have concluded that the stacking conveyor at the end of the processing line is a separate item, not a relocation of the reject conveyor supplied as part of the trommel system. As such, it requires separate approval as stated herein.

Item 3: Deletion of a portion of the wall between properties.

The Department takes note of the demolition. However, no approval is appropriate, as no new engineering design has been submitted for approval and no construction contract has (to the Department's knowledge) been let. Since the adjacent lots are not yet approved as part of the solid waste facility, they may not be used to stage solid waste vehicles entering or leaving the facility. Of course, these vehicles may pass over the lots without being staged as they enter or leave.

Item 4: Replacement of compressor/air classifier with a newer electric air blowing system.

The Department takes note of Cardella's intention to install a different air supply system in the

future, acknowledging at Item 1 above that the diesel powered I-R unit has ben relocated and remains in service.

We also call to your attention that Cardella's consultant for electrical design, Johnson and Associates, was apparently unaware of the planned upgrade and did not designate space for it in the power panel or provide a separate motor control center with a starter. Therefore, we require that the future submittal for a "minor technical review" to replace the air supply equipment be accompanied by an appropriately revised Electrical Floor Plan drawing and documentation that the change has been approved by the Township's construction official.

In his letter to you of October 29, 1996 (which apparently crossed your October 24th letter in the mail), Mr. John Schmitt of my staff asked that you submit the following information concerning the new equipment items:

- a. Written descriptions of the new equipment items.
- b. An analysis of any changes in the design capacity of the facility the equipment replacements may have caused.
- c. An analysis of any changes in the environmental performance and/or impacts of the facility the equipment changes may have caused.

We now notify you that the written descriptions may be deferred to the final Operations and Maintenance Manual and that the analyses are no longer necessary. We have judged that the new equipment is essentially the same as the old, does not reduce the facility's throughput capability, and would not increase any negative impacts on the environment.

There are a number of other items concerning the Cardella facility and its operation that are open for discussion and resolution, but we will address them in separate correspondence. Among them is the critical matter of reviewing and, if appropriate, approving the redesign represented by Revision 10 of the drawing, "Proposed Renovations To Materials Recovery Facility" and all of the drawings that Cardella submitted to North Bergen Township for approval which resulted in the issuance of building permit no. 6808 on February 14, 1997. As you stated in your letter to Mr. John Schmitt dated October 8, 1996, submittal of an application to the Department for such review must wait for Hudson County to adopt a District Solid Waste Management Plan amendment that includes Lots A1 and A2 of Block 55 into their Plan. As of this date, our Bureau of Recycling and Planning has not received such an amendment for review and certification and has no information from County officials about the status of a pending amendment.

Very truly yours,

Signed by Thomas Sherman, Chief

Thomas Sherman, Chief
Bureau of Hazardous Waste and
Transfer Facilities

cc: David A. Cardella, President
Cardella Trucking Co., Inc.
Rai Belonzi, Chief
Bureau of Solid Waste Compliance and Enforcement
Scott Brubaker, Supervisor, Northern Section
Bureau of Solid Waste Compliance and Enforcement
Tom Byrne, Supervisor, TS/MRF Section
Bureau of Hazardous Waste and Transfer Facilities

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Division of Solid and Hazardous Waste
Bureau of Hazardous Waste & Transfer Facilities
401 E. State St., 2nd Floor, P.O. Box 414
Trenton, NJ 08625-0414
Tel. No. 609-292-9880
Fax. No. 609-633-9839

[Date Stamped August 7, 1997]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

David A. Cardella, President
Cardella Trucking Co., Inc.
2400 Tonnelle Avenue
North Bergen, NJ 07047

Subject: Cardella Trucking Co., Inc. TS/MRF
Township of North Bergen, Hudson County
DEP Facility No. 0908001265

Dear Mr. Cardella:

On June 16, 1997, the Bureau of Hazardous Waste and Transfer Facilities (Bureau) received correspondence dated June 12, 1997 from Mr. George D. Cascino, P.E., P.P., Consulting Engineer submitted on your behalf requesting a minor permit modification for the above referenced facility. Between July 23 and 29, 1997, the Bureau discussed draft copies of the Bureau's proposed response to the request with him since some of the conditions of your Solid Waste Facility (SWF) Permit were being modified.

The scope of the request for a minor modification of the SWF Permit was defined by the drawing, "Building Renovations to Materials Recovery Facility," Revision 11 dated 6/11/97. Revision 6 of that drawing dated 9-1-95, "Proposed Renovations to Materials Recovery Facility," was a Referenced Engineering Plan in the SWF Permit as issued 1-19-96.

Mr. Cascino's transmittal letter summarized the changes shown on the drawing as follows:

- "a) The originally designed two processing buildings, totalling 15,426 square feet, have been combined into one processing building of 18,620 square feet.
- "b) There is now a physical separation of this new processing building from the existing building, which will continue to be utilized for repair and maintenance purposes.

- "c) Depiction of the concrete wall along Tonnelle Avenue.
- "d) Reorientation of the processing equipment within the facility.
- "e) Depiction of a proposed scale relocation in the future.
- "f) Denotation that the baler is 'temporarily out of service.'
- "g) Denotation of the location of NJDEP approved air pollution control equipment.
- "h) Other minor changes as discussed at our meeting."

The Bureau has reviewed the information submitted in support of your request for a minor modification of the SWF Permit. The following is the result of our evaluation of your request:

a) and b) Revision of Proposed Processing Buildings One 18,620 sq. ft. processing building is proposed to be erected directly behind and entirely separate from the existing building on Lot 45. It is shown on the new plan drawing Rev. 11, 6-11-97 that was submitted with the request. The single building is proposed instead of a 12,400 sq. ft. addition to the existing building and a second, separate 3,026 sq. ft. building to be constructed in the northeast corner of Lot 45. These were shown on the drawing, "Proposed Renovations to Materials Recovery Facility," Rev. 6, 9-1-95 which was a Referenced Engineering Plan in the SWF Permit as issued.

The proposed building shown on the new drawing, Rev. 11, 6-11-97 is approved. Condition 5.h.(2) is hereby modified to cite the drawing, "Building Renovations to Materials Recovery Facility," Rev. 11, 6-11-97 as a Referenced Engineering Plan, replacing the drawing referenced in the SWF Permit as issued. However, see item h)1. below regarding a further modification.

c) Visual Screening Wall The new drawing, Rev. 11, 6-11-97 shows that there is an existing concrete block wall along part of the westerly property line screening the facility from view from Tonnelle Avenue. The drawing also shows that the wall is proposed to be continued to the north to a future access gate. Further, the drawing shows that the driveway pattern has been revised as follows: the former entrance driveway at the south side of Lot 45 has been eliminated; also, the entrance/exit driveway at the north side of Lot 45 has been widened and now is proposed to lie partly on Lot A2. We note that, because the acquisition of Lot A2 will result in a "change of use of property" as defined by the NJ Department of Transportation, a new Access Driveway Permit is likely to be required.

The existing and proposed wall and gate along the westerly property line are approved.

The driveway locations and entrance/exit traffic patterns are approved subject to Cardella's obtaining waivers, approvals, and/or new Access Driveway Permits for all driveways on Lots 45, A1, and A2 from the NJ DOT's Northern Regional Office, Mt. Arlington. Copies of relevant correspondence with the Office on this subject shall be submitted to the Bureau of Hazardous Waste and Transfer Facilities.

d) Revision of Proposed Arrangement of Processing Equipment The arrangement of the processing equipment used primarily for type 13C waste that is proposed for the larger single building is different from that approved for the proposed addition to the existing building. However, the equipment is essentially unchanged. Auxiliary equipment such as the air compressor is proposed to be upgraded, but the functions will not change.

The proposed arrangement of processing equipment in the new building as shown on the new drawing, Rev. 11, 6-11-97 is approved. Refer also to items f) and h)1.

e) Scale Location The new drawing, Rev. 11, 6-11-97 shows the proposed scale in the same location shown on Rev. 6, 9-1-95 which was a Referenced Engineering Plan in the SWF Permit as issued. However, it also notes that the scale is proposed to be relocated later to an unspecified location on Lot A1.

The proposed locations of the scale shown on the new drawing, Rev. 11, 6-11-97 are approved. Furthermore, should it prove to be more convenient and to provide for better flow of on-site traffic, the scale may be relocated to Lot A2 instead of Lot A1.

f) Proposed Status and Location of Baler The baler located in the existing building is not now in service. It is shown on the new drawing to remain out of service in its present location pending a possible relocation to the southwest corner of the proposed new building. The new drawing also indicates that construction of the new building requires the removal or partial disassembly of its existing in-feed conveyor, guide-walls, and electrical controls as well as the concrete pad in that area. Therefore, the baler will be made unusable in its present location.

The proposed status, location, and possible future location of the baler shown on the new drawing, Rev. 11, 6-11-97 are approved.

g) Selection and Placement of Air Cleaning Equipment The type of air pollution control equipment proposed to minimize the discharge of particulates to the ambient air and the proposed location of this equipment have been changed as the processing building design has been changed. Also, the design of the dust collection systems along the processing equipment line which are input to the air pollution control equipment have been developed since the SWF Permit was issued. However, no changes are needed in the Permit conditions.

The selection and placement of air pollution control equipment as shown on the new drawing, Rev. 11, 6-11-97 are approved. Conditions 6.a.(7) and 6.g of the Permit are unchanged.

h) Other Minor Changes

1. Relocation of Wood Grinding Operation As noted in item a) above, the separate 3,026 sq. ft. building is no longer proposed. That building was intended to house a tub grinder which is not shown but is listed as an item of processing equipment on the new drawing.

Within 30 days of the date of this letter, Cardella shall submit a further revision to the drawing that indicates a "proposed future tub grinder location" within the proposed new building. The Bureau shall make a final modification to condition 5.h.(2) of the SWF Permit to cite that revision. Condition 14.a need not be changed.

2. Use of Old Building As shown by the new drawing, Rev.11, 6-11-97, the existing building is proposed to continue in use for vehicle and container maintenance and repair, but not for solid waste activity. This requires that condition 14.d of the SWF Permit be modified as follows: delete "the northerly half of the" from the end of the third line, and delete the last sentence.

Condition 14.d shall now read, "No solid waste receiving or storage, solid waste processing, materials recovery operations, nor solid waste transfer shall take place in the existing building unless the Permittee first complies with the modification procedures set forth in N.J.A.C. 7:26-2.6 or the renewal procedures set forth in N.J.A.C. 7:26-2.7."

3. Miscellaneous Design Changes The new drawing, Rev. 11, 6-11-97 has numerous other changes from Rev. 6, 9-1-95 which was a Referenced Engineering Plan in the SWF Permit as issued. The following are specifically cited as approved:

- a. All items listed in the drawing Legend and identified as "proposed."
- b. Proposed partial demolition of the wall along the northerly property line of Lot 45.
- c. Proposed locations of service utility lines.
- d. Proposed locations of roof drainage lines.
- e. Proposed construction of material storage bunkers or bins to the east of the proposed new building.

We have found that the request for a minor modification to your facility's SWF Permit submitted June 12, 1997 by your Engineer, George D. Casino meets the criteria of a minor modification. Therefore, we grant the request as explained in detail above.

This official Letter of Approval shall be affixed to the SWF Permit issued January 19, 1996 and shall be maintained on site as required by condition 29 of that Permit.

If you have questions about this Approval, please contact John Schmitt of my staff at the address, telephone number, or facsimile number stated in the letterhead, or by electronic mail at JSchmitt@DEP.NJ.US.

Very truly yours,

Signed by John A. Castner, P.E., Acting Assistant Director

John A. Castner, P.E.
Acting Assistant Director
Office of Permitting and
Technical Programs

JAC:JPS/dls

cc: Rai Belonzi, Chief
Bureau of Solid Waste Compliance and Enforcement
Scott Brubaker, Supervisor, Northern Section
Bureau of Solid Waste Compliance and Enforcement
(With Copy of "Building Renovations to Materials Recovery Facility," Rev.
11, 6-11-97.)
Tom Byrne, Supervisor, TS/MRF Section
Bureau of Hazardous Waste and Transfer Facilities
George D. Cascino, P.E., P.P.
Consulting Engineer
Ed Castellano, Northern Section
Bureau of Solid Waste Compliance and Enforcement
Michael A. Cimilluca, CFO, Acting Executive Director
Hudson County Improvement Authority
Lewis L. Krieger
Attorney at Law

[Cardella.066]

[F:\Data\Permits\Cardel#2.MTR]

Division of Solid and Hazardous Waste
Bureau of Hazardous Waste & Transfer Facilities
401 E. State St., 2nd Floor, P.O. Box 414
Trenton, NJ 08625-0414

Tel. No. 609-292-9880
Fax. No. 609-633-9839

October 9, 1997

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

David A. Cardella, President
Cardella Trucking Co., Inc.
2400 Tonnelles Avenue
North Bergen, NJ 07047

Subject: Cardella Trucking Co., Inc. TS/MRF
Township of North Bergen, Hudson County
DEP Facility No. 0908001265

Dear Mr. Cardella:

On September 10, 1997, the Bureau of Hazardous Waste and Transfer Facilities (Bureau) received correspondence dated September 4, 1997 from Mr. George D. Cascino, P.E., P.P., Consulting Engineer which submitted on your behalf Revision 12 of the drawing, "Building Renovations To Materials Recovery Facility." This submittal was made in response to Item h)1 on page 4 of the Bureau's August 7, 1997 approval of your request for a Minor Modification of the SWF Permit for your facility issued January 19, 1997.

The Bureau has completed a Minor Technical Review of the revised drawing. The review has been conducted at no cost. This letter is to notify you that the revised drawing satisfies the requirement of Item h)1 mentioned above.

This letter is also an Addendum to the approved Minor Modification of the SWF Permit. Condition 5.h.(2) is hereby changed to read as follows:

5.h.(2) "Building Renovations to Materials Recovery Facility," Revision 12, dated September 2, 1997; formerly cited herein as "Proposed Renovations to Materials Recovery Facility" Revision 6 dated September 1, 1995

This Addendum to the August 7, 1997 Letter of Approval shall also be affixed to the SWF Permit issued January 19, 1996 and shall be maintained on site as required by condition 29 of that Permit.

If you have questions about this Approval, please contact John Schmitt of my staff at the address, telephone number, or facsimile number stated in the letterhead, or by electronic mail at JSchmitt@DEP.NJ.US.

Very truly yours,

Signed by John A. Castner, P.E., Acting Assistant Director

John A. Castner, P.E.
Acting Assistant Director
Office of Permitting and
Technical Programs

JAC:JPS

cc: Rai Belonzi, Chief
Bureau of Solid Waste Compliance and Enforcement
Scott Brubaker, Supervisor, Northern Section
Bureau of Solid Waste Compliance and Enforcement
(With Copy of "Building Renovations to Materials Recovery
Facility," Rev. 11, 6-11-97.)
Tom Byrne, Supervisor, TS/MRF Section
Bureau of Hazardous Waste and Transfer Facilities
George D. Cascino, P.E., P.P.
Consulting Engineer
Ed Castellano, Northern Section
Bureau of Solid Waste Compliance and Enforcement
Michael A. Cimilluca, CFO, Acting Executive Director
Hudson County Improvement Authority
Lewis L. Krieger
Attorney at Law

[Cardella.077]

Division of Solid and Hazardous Waste
Bureau of Hazardous Waste & Transfer Facilities
401 E. State St., 2nd Floor, P.O. Box 414
Trenton, NJ 08625-0414
Tel. No. 609-292-9880
Fax. No. 609-633-9839

[Date Stamped November 19, 1997]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

David A. Cardella, President
Cardella Trucking Co., Inc.
2400 Tonnelle Avenue
North Bergen, NJ 07047

Subject: Cardella Trucking Co., Inc. TS/MRF
Township of North Bergen, Hudson County
DEP Facility No. 0908001265

Dear Mr. Cardella:

On September 11, 1997, the Bureau of Hazardous Waste and Transfer Facilities (Bureau) received correspondence dated September 5, 1997 from Mr. George D. Cascino, P.E., P.P., Consulting Engineer that he submitted on your behalf to request a minor modification of the Solid Waste Facility Permit for your facility identified above. On September 18, 1997, Mr. Cascino submitted an amendment to that request by facsimile and mail.

The minor modification requested by Mr. Cascino's September 5, 1997 letter was that Lots A.1 and A.2 of Block 55 be added to Lot 45 of Block 27 in identifying the properties of the permitted solid waste facility. The solid waste activities to be conducted on the new lots were defined chiefly by the drawing, "Site Plan for Proposed Accessory Uses to Existing Materials Recovery Facility - Block 55, Lots A1 & A2," Revision 6 dated 9/5/97.

Revision 3 of that drawing dated 5-10-96 had been submitted to Hudson County with Cardella's application to include Lots A.1 and A.2 in the District Solid Waste Management Plan as part of your facility. Plan inclusion was a prerequisite for the present request for a minor modification.

The principal differences between Revisions 3 and 6 were that the earlier drawing proposed a separate building to contain a wood grinding operation and a separate building behind the new company offices for truck maintenance. Both buildings were subsequently deleted from your plans. Further, Revision 3 showed a proposed location for the truck scale, while Revision 6 identified the location as "as-built." Since the net changes made from Revision 3 to Revision 6 are a decrease of proposed solid waste activities on Lots A.1 and A.2, there is no need to refer the question of Plan inclusion back to the County.

Mr. Cascino's September 5, 1997 transmittal letter listed several design and operation features inherent to the minor modification requested:

1. The truck scale has been installed.
2. A screening wall has been built along the westerly property line.
3. The separate buildings for wood grinding and truck maintenance are no longer proposed.
4. Proposed on-site traffic patterns for truck movements onto and off of the site, across the scale, and through queuing areas are shown.

Revision 6 of the site plan drawing also shows the following:

5. Revised final grading and the construction of another retaining wall in the southwesterly quadrant of the site.
6. Revised final grading and the extension of a proposed retaining wall in the southeasterly quadrant of the site.

Mr. Cascino's September 18, 1997 letter amended the request for a minor modification by requesting that the first sentence of permit condition 17 be changed. It now reads, "Access to the site shall be restricted to Cardella Trucking Co. vehicles, facility person-nel, and authorized visitors." (Emphasis added.) If changed, it would read, "Access to the site shall be restricted to any author-ized solid waste vehicles, facility personnel, and authorized visitors."

The Bureau has reviewed the information submitted in support of your request for a minor modification of the SWF Permit as amended. The following is the result of our evaluation of your request:

- a. Expansion of the Permitted Solid Waste Facility to Adjacent Properties. The addition of Lots A.1 and A.2 of Block 55 to Lot 45 of Block 27 is approved.
 - (1) Identification of the facility on the first page of the Solid Waste Facility Permit is changed to read as

follows:

LOTS NO.: 45; A.1 & A.2

BLOCKS NO.: 27; 55

(2) Identification of the facility on the first page of the Environmental and Health Impact Statement Approval is changed to read as follows:

ON LOTS NO.: 45; A.1 & A.2

OF BLOCKS NO.: 27; 55

b. Design Features of Lots A.1 and A.2 Specifically Related to Solid Waste Activities as Shown on the Site Plan.

(1) Condition 5.h.(4) of the Solid Waste Facility Permit is deleted and replaced by the following:

"Site Plan for Proposed Accessory Uses to Existing Materials Recovery Facility - Block 55, Lots A1 & A2," Revision 6 dated September 5, 1997.

(2) The third line of Condition 5.i.(2) of the Solid Waste Facility Permit is deleted and replaced by the following:

"Revision 3 dated September 1, 1995; also submitted at the Public Hearing."

(3) The following solid waste features and activities listed in George D. Cascino's letter dated September 5, 1997 are approved as follows:

- Installation of the truck scale as shown on the site plan.

- Construction of a screening wall with gates along Tonnelle Avenue as shown on the site plan.

- Final site grading and construction of a retaining wall that facilitates the movement of solid waste vehicles in the southwesterly quadrant of the properties as shown on the site plan.

- Queuing of solid waste vehicles, which is implied by the site plan to take place for arriving traffic in the northerly entrance drive approaching the north end of the scale and in the length of roadway between the south end of the scale and the tipping building; and which is implied by the site plan to take place for departing traffic in the length of roadway between the tipping building and the south end of the scale; and which is shown by the site plan to take place if necessary in the open area of Lot A.1 near Tonnelle Avenue. (Note: "queuing"

is

understood to mean "waiting in line." For this modification, it is understood to describe attended solid waste vehicles waiting for a short time to cross the scale or to enter the tipping building.)

- Staging of solid waste vehicles, which is shown by the site plan to take place in the open area of Lot A.1 near Tonnelle Avenue. (Note: "staging" is understood to mean an assembling and readying for transport. For this modification, it is understood to describe the sort-time holding of a solid waste vehicle on site while it is tarped, while paperwork is completed, while other vehicles are prepared to convoy, etc. Drivers need not attend the staged vehicles. "Staging" does not include longer term "storing.")

c. Revision of Permit Condition 17. The first sentence of Condition 17 of the Solid Waste Facility Permit is deleted and replaced by the following:

"Access to the site shall be restricted to Cardella Trucking Co. vehicles, other authorized solid waste vehicles, and the vehicles and persons of facility personnel, vendors, and authorized visitors." (Note: an "authorized" solid waste vehicle is one that has been registered with the Department as required by N.J.A.C. 7:26-3.2 and 3.3)

We have found that the request for a minor modification to your facility's Solid Waste Facility Permit submitted September 5, 1997 and amended September 18, 1997 by your Engineer, George D. Casino meets the criteria of a minor modification. Therefore, we grant the request as explained in detail above. Solid waste activities on Lots A.1 and A.2 in addition to those explicitly allowed as described above are strictly prohibited.

I suggest that you apply for a further minor modification to your permit that addresses interim operations of your facility during the time that construction takes place on Lot 45. If you propose to conduct any additional solid waste activities on Lots A.1 and A.2 during this period, you must describe them by an enforceable time schedule. My staff is available to discuss this with you at your earliest convenience.

This official Letter of Approval shall be affixed to the Solid Waste Facility Permit issued January 19, 1996 and shall be main-tained on site as required by condition 29 of that Permit.

If you have questions about this Approval, please contact John Schmitt of my staff at the address, telephone number, or facsimile number stated in the letterhead, or by electronic mail at JSchmitt@DEP.NJ.US.

Very truly yours,

Signed by John A. Castner, P.E., Acting Assistant Director

John A. Castner, P.E.
Acting Assistant Director
Office of Permitting and
Technical Programs

JAC:JPS

[Cardella.081]

cc: Rai Belonzi, Chief
Bureau of Solid Waste Compliance and Enforcement
Scott Brubaker, Supervisor, Northern Section
Bureau of Solid Waste Compliance and Enforcement
(With Copy of "Building Renovations to Materials Recovery Facility," Rev.
11, 6-11-97.)
Tom Byrne, Supervisor, TS/MRF Section
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401 E. State St., 2nd Floor, P.O. Box 414
Trenton, NJ 08625-0414
Tel. No. 609-292-9880
Fax. No. 609-633-9839

November 20, 1997

David A. Cardella, President
Cardella Trucking Co., Inc.
2400 Tonnelles Avenue
North Bergen, NJ 07047

Subject: Cardella Trucking Co., Inc. TS/MRF
Township of North Bergen, Hudson County
DEP Facility No. 0908001265

Dear Mr. Cardella:

By a letter dated November 19, 1997, Acting Assistant Director John A. Castner, P.E. approved your application for a minor modification to your Solid Waste Facility Permit. That letter contained a typographical error that I am correcting now.

The error is in the 7th line of the 4th page: the word "tamped" should be "tarped." In the context of solid waste handling, this error is more than just a misspelling. The "staging" of vehicles allows for covering the loads with tarpaulins; that is, "tarping." We did not intend to imply that your grapple could be brought to a trailer to push or tamp down the load; that is, "tamping." But, the spell-check feature of our word processing program does not recognize "tarp" and prompts using "tamp," among others.

Another error is that a copy of a drawing is shown to accompany the distribution copy to Mr. Scott Brubaker. Please delete that note.

Please mark the correction on your copy of the November 19, 1997 Letter of Approval and affix this correction letter to the Solid Waste Facility Permit issued January 19, 1996.

Very truly yours,
Signed by John P. Schmitt, Principal Environmental Engineer
John P. Schmitt
Principal Environmental Engineer
Bureau of Hazardous Waste and Transfer Facilities

[Cardella.083]

cc: Rai Belonzi, Chief
Bureau of Solid Waste Compliance and Enforcement
Scott Brubaker, Supervisor, Northern Section
Bureau of Solid Waste Compliance and Enforcement
Tom Byrne, Supervisor, TS/MRF Section
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